100

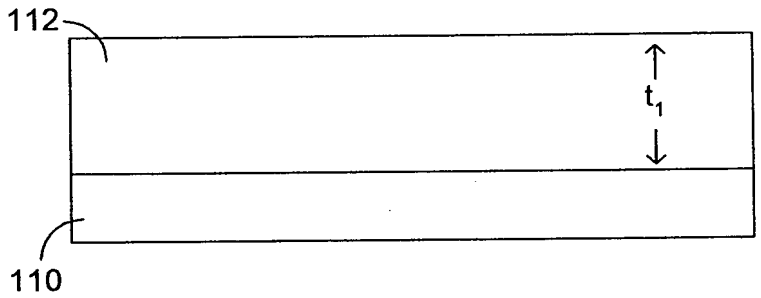


FIGURE 1A

101

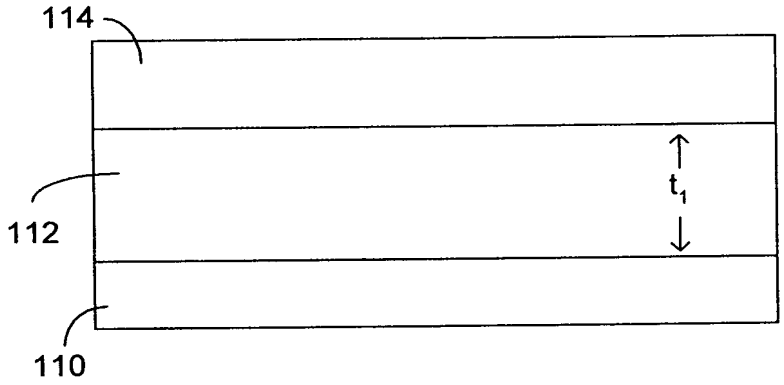


FIGURE 1B

102

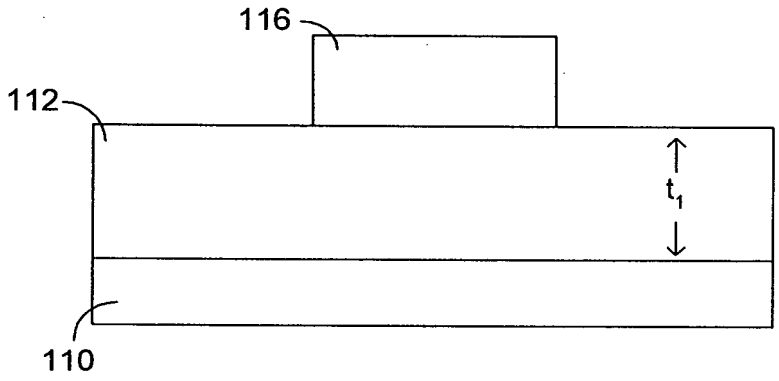


FIGURE 1C

103

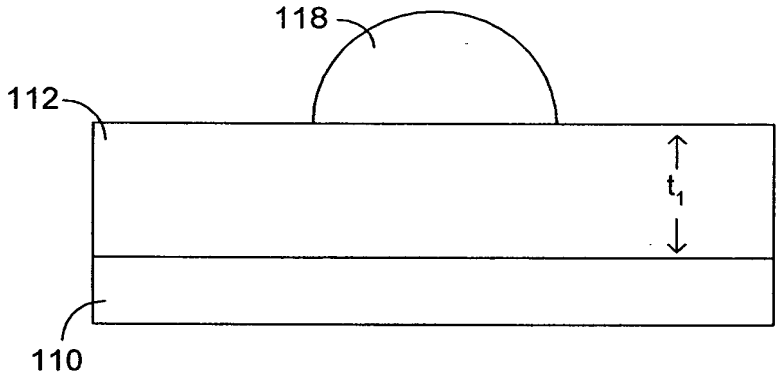


FIGURE 1D

104

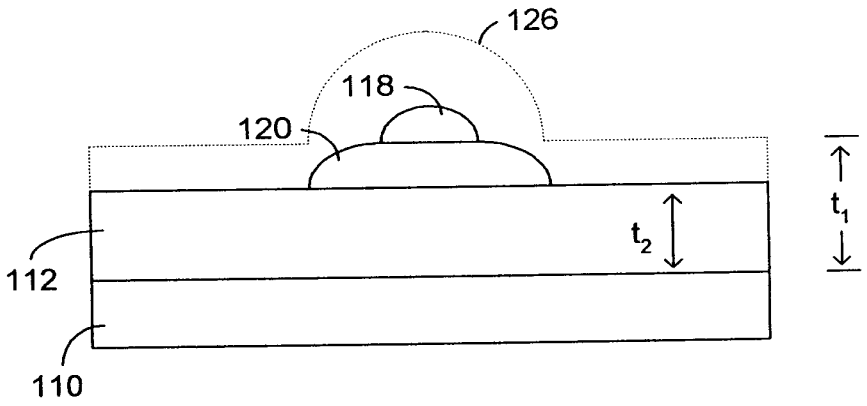


FIGURE 1E

105

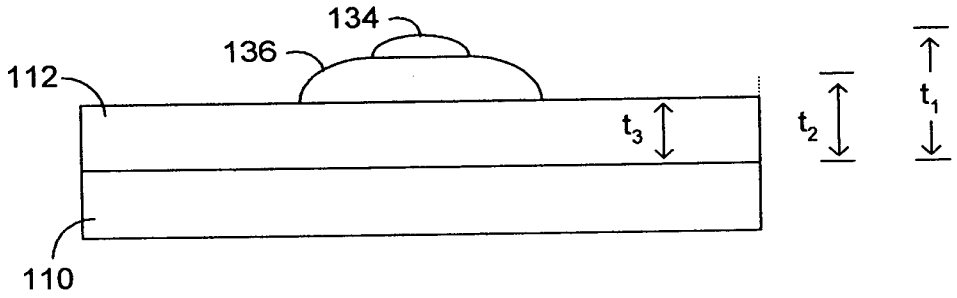


FIGURE 1F

106

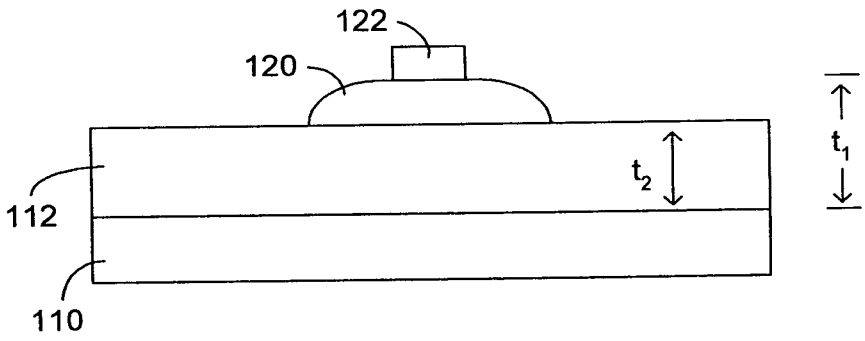


FIGURE 1G

107

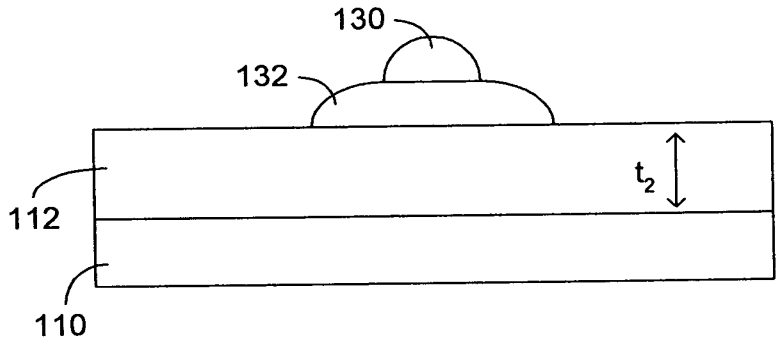


FIGURE 1H

Figure 2A

200

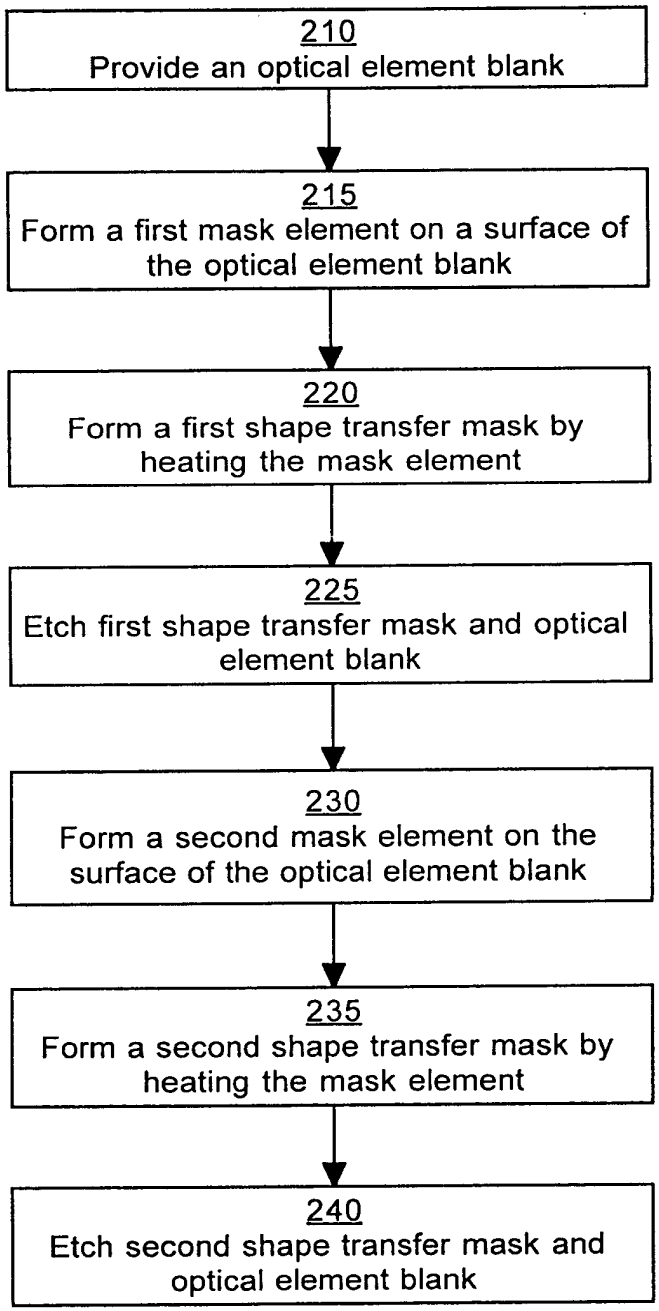
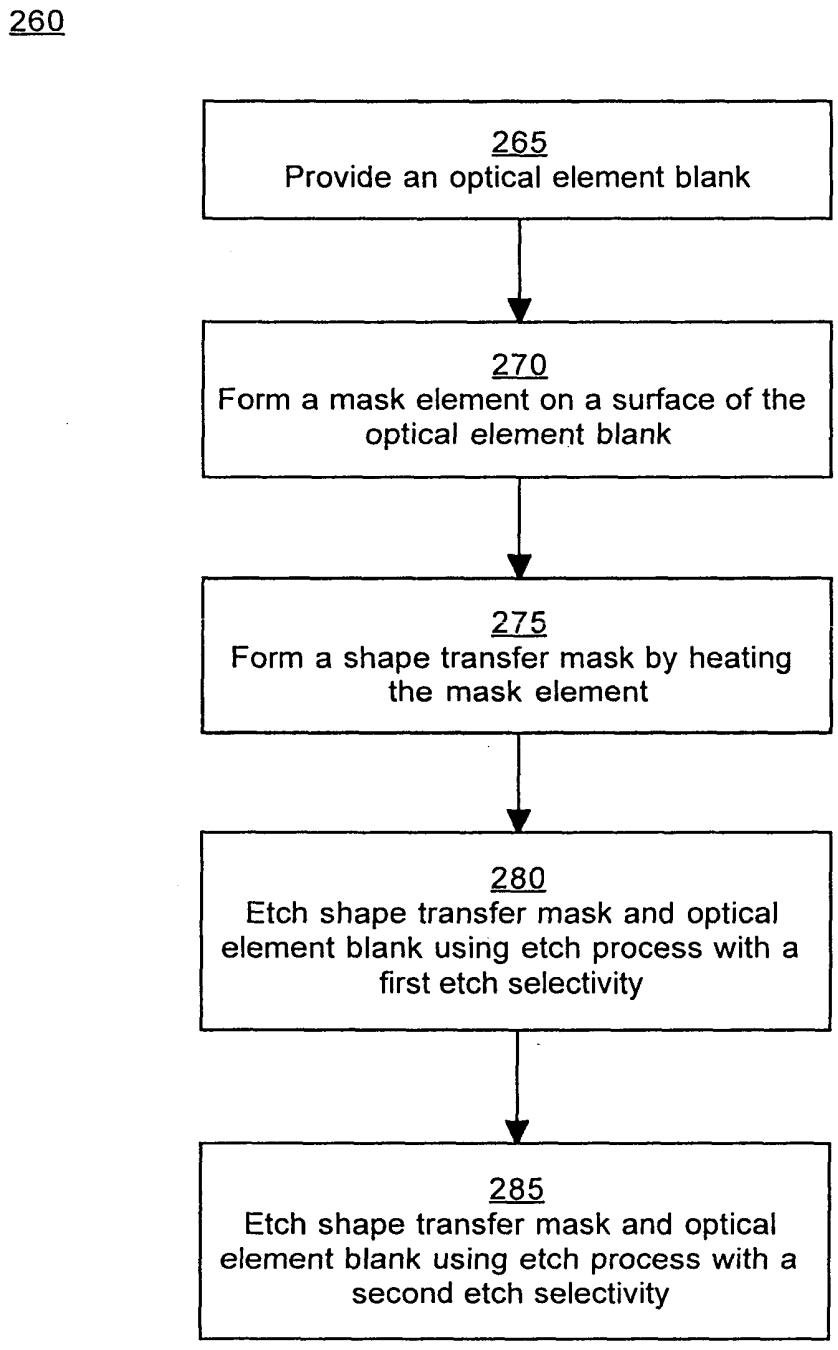


Figure 2B


260
265
Provide an optical element blank
270
Form a mask element on a surface of the optical element blank
275
Form a shape transfer mask by heating the mask element
280
Etch shape transfer mask and optical element blank using etch process with a first etch selectivity
285
Etch shape transfer mask and optical element blank using etch process with a second etch selectivity

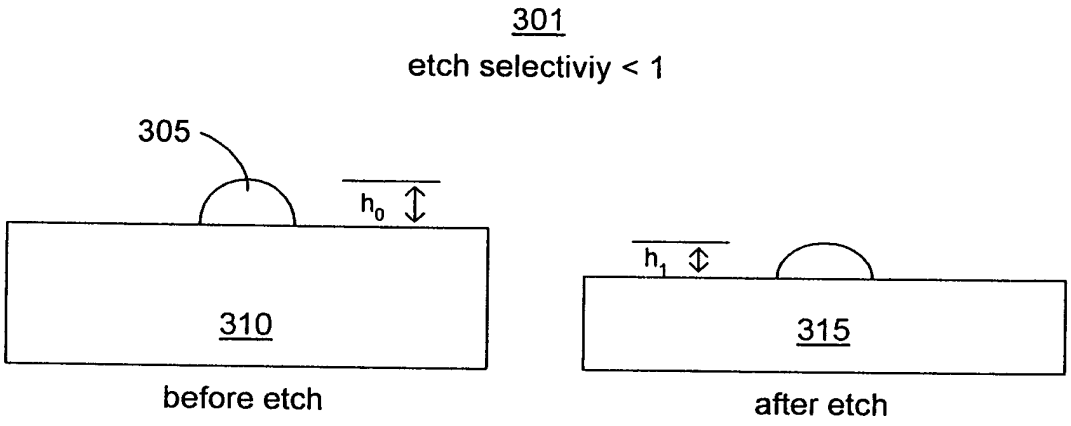


FIGURE 3A

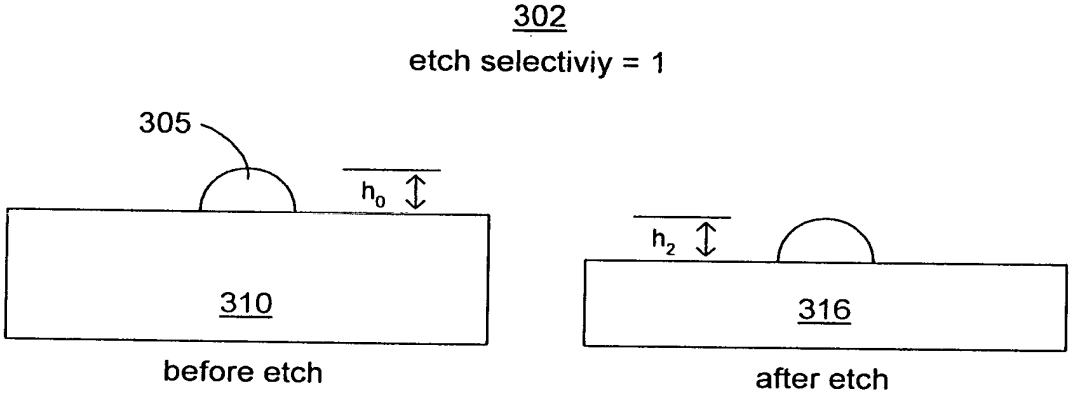


FIGURE 3B

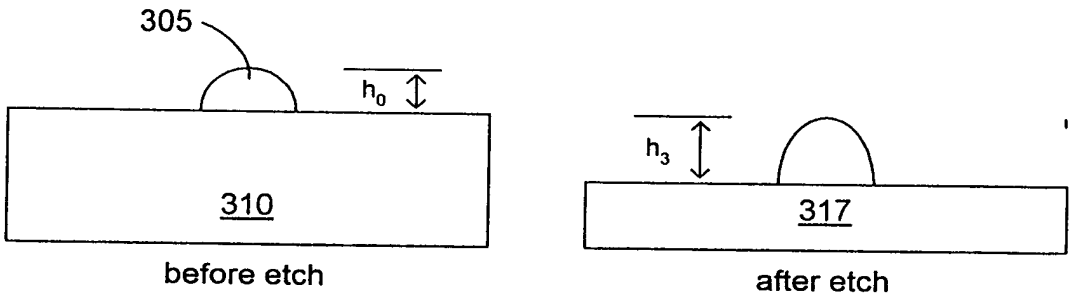


FIGURE 3C

Figure 4

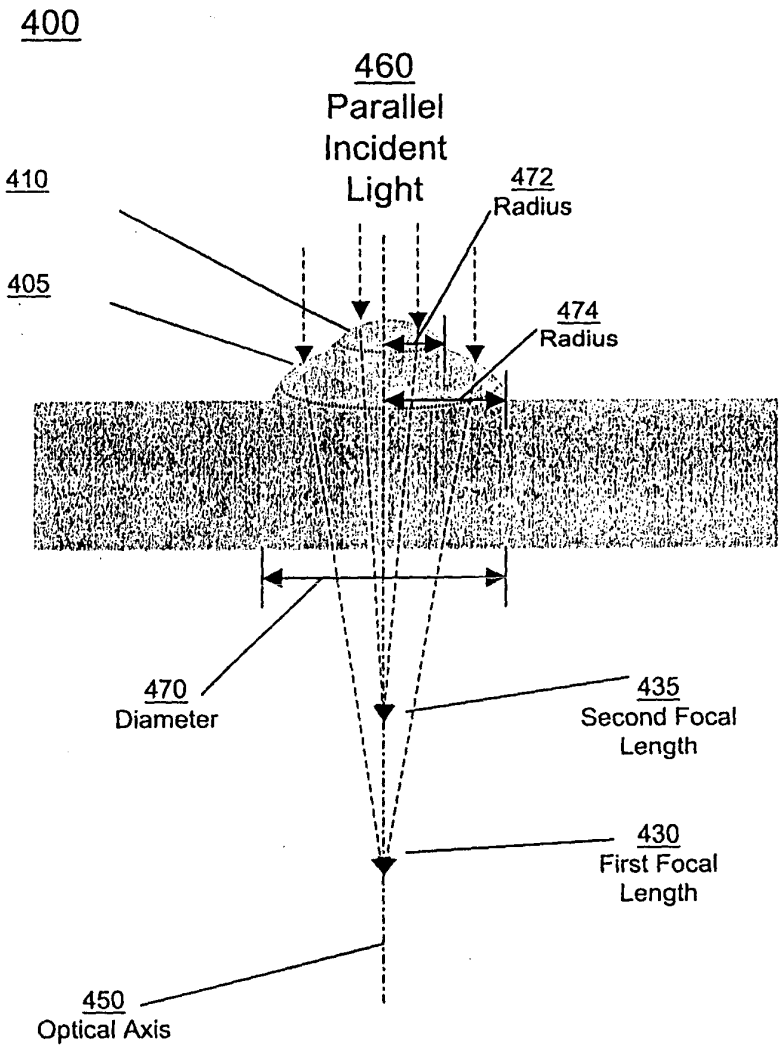
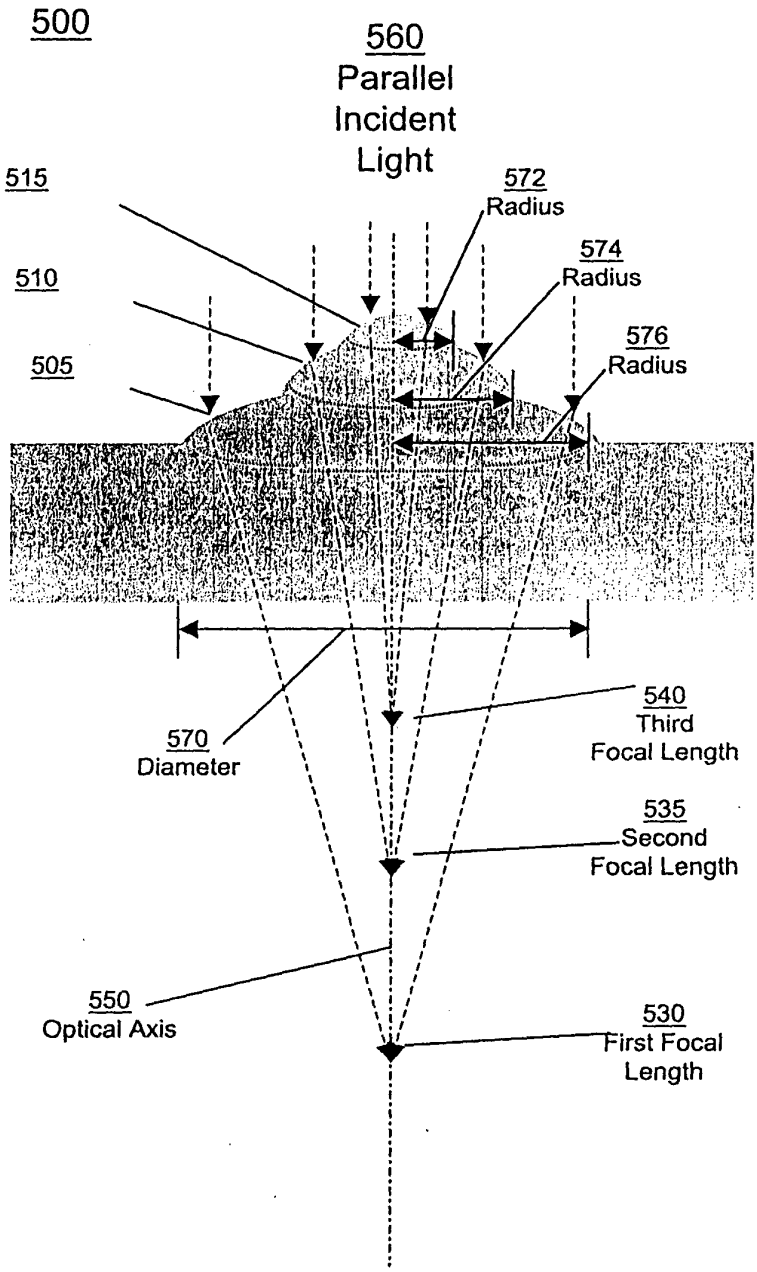

400
460
Parallel
Incident
Light
410
472
Radius
405
474
Radius
470
Diameter
435
Second Focal
Length
430
First Focal
Length
450
Optical Axis

Figure 5


500
560
Parallel
Incident
Light
515
572
Radius
574
Radius
510
576
Radius
505
570
Diameter
540
Third
Focal Length
535
Second
Focal Length
550
Optical Axis
530
First Focal
Length